No. 200100145

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

DLF International Seeds and Rutgers,
The State University of New Jersey

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE , OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

FESCUE, TALL

'Bingo'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this twenty-third day of June, in the year two thousand and five.

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

REPRODUCE LOCALLY. *Include form number and date on all reproductions.* FORM APPROVED - OMB NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) *(as it is to appear on the Certificate)*
DLF ~~Cebeco~~ International Seeds, ~~Inc.~~ and Rutgers, The State University of New Jersey (BT: 5/24/2005)
JAS 12/13/04

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER
ISI-TF 23

3. VARIETY NAME
Bingo

4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)*
PO Box 229/~~175~~ West 'H' Street (BT: 5/24/2005)
Halsey, OR 97348

5. TELEPHONE *(include area code)*
541-369-2251

6. FAX *(include area code)*
541-369-2640

FOR OFFICIAL USE ONLY

PVPO NUMBER
2001001455

FILING DATE
March 23, 2001

7. GENUS AND SPECIES NAME
Festuca arundinacea

8. FAMILY NAME *(Botanical)*
Graminae

9. CROP KIND NAME *(Common name)*
Tall Fescue

10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION *(corporation, partnership, association, etc.) (Common name)*
Corporation

11. IF INCORPORATED, GIVE STATE OF INCORPORATION
Oregon

12. DATE OF INCORPORATION
1972

FEES RECEIVED

FILING AND EXAMINATION FEE:
$ 2705

DATE
March 23, 2001

CERTIFICATION FEE:
$ 432.00

DATE 4/19/2005

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS

14. TELEPHONE *(include area code)*

15. FAX *(include area code)*

16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED *(Follow instructions on reverse)*

a. [X] Exhibit A. Origin and Breeding History of the Variety
b. [X] Exhibit B. Statement of Distinctness
c. [X] Exhibit C. Objective Description of the Variety
d. [X] Exhibit D. Additional Description of the Variety *(Optional)*
e. [X] Exhibit E. Statement of the Basis of the Applicant's Ownership
f. [X] Voucher Sample *(2,500 viable untreated seeds or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in an approved public repository)*
g. [X] Filing and Examination Fee ($2,450), made payable to "Treasurer of the United States" *(Mail to PVPO)*

17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? *(See Section 83(a) of the Plant Variety Protection Act)*
[ ] YES *(If "yes," answer items 18 and 19 below)* [X] NO *(If "no," go to item 20)*

18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
[ ] YES [ ] NO

19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?
[ ] FOUNDATION [ ] REGISTERED [ ] CERTIFIED

20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?
JAS 12/13/04 [X] YES *(If "yes," give names of countries and dates)* [ ] NO
~~March 23, 2000~~ August 2000

21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT *(Owner(s))*		SIGNATURE OF APPLICANT *(Owner(s))*	
NAME *(Please print or type)*		NAME *(Please print or type)* Stephen W. Johnson	
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE Senior Research Scientist	DATE March 16, 2001

EXHIBIT A

Origin and Breeding history of Bingo Tall Fescue

Bingo tall fescue was developed by ~~Cebeco~~ DLF International Seeds (ST: 5/24/2005) using germplasm obtained from the New Jersey Agricultural Experiment Station. It is a medium low-growing, turf-type variety with fine leaves and a rich dark green color. Bingo was selected from the maternal progenies of 45 clones. Forty-six similar and related clones served as additional pollen parents.

The parental germlasm of Bingo traces its origin to plants selected from old turfs of the United States starting in 1962 and subjected to many cycles of phenotypic and genotypic selection. Attractive plants were selected from Bayonne, Cape May, Elizabeth, Jersey City and Princeton, New Jersey; Lexington, Kentucky; Athens, Atlanta, Macon and Millegeville, Georgia; eastern North Carolina; Philadelphia Pennsylvania; Nashville and Chattanooga, Tennessee; Dallas and Fort Worth, Texas; Preston Idaho; Baltimore, Maryland and Cincinnati, Ohio. The origins of selected plants was unknown. Each selected plant appeared to have developed from a single seedling which had persisted and grown over a period of many years. Many were over one meter in diameter. In addition, nearly 20 percent of the parental germplasm of Bingo traces to plants related to Rebel tall fescue. However, most of the germplasm used to develop Rebel comes from plants selected from old turfs in New Jersey starting in 1962.

Promosing plants from old turfs were evaluated in mowed clonal tests, spaced-plant nurseries, and single-plant progeny trials under closely mowed turf maintenance. Seedling populations were often screened for disease resistance, an attractive, rich dard-green color, abundant tillers and slow growth und cool, short-day green house conditions. Intercrosses of the best performing plants were then subjected to additional cycles of population improvement often including population backcrossing with recurrent phenotypic and genotypic selection.

Large numbers of single-plant progenies were seeded in turfgrass evaluation trials at the Plant Science Research and Extension Farms at North Brunswick and Adelphia, New Jersey during the late summers of 1991, 1992, 1993 and 1994. During the late summer of 1995, a total of 2,800 plants were selected from 30 of the best performing plants and transferred to a spaced-plant nursery at the Adelphia farm. Selection was based on medium reproductive maturity, semi-dwarf growth, an attractive bright dark-green color, and good seed yield potential including many stiff, upright reproductive tillers with large spikelets. Seed was subsequently harvested from 45 plants showing the best floret fertility. One gram of seed of each was sent to ~~Cebeco~~ DLF International Seeds (ST: 6/24/2005) on August 26, 1996 for an additional selection.

In the fall of 1996 a nursery consisting of three replications of 30 plants each from each of the 45 families was established at ~~Cebeco~~ DLF International Seeds (ST: 5/24/2005) Research Station near Tangent, Oregon. From the fall of 1996 through the spring of 1998 the nursery was observed and plants with light green color, coarse leaf texture and susceptibility to leaf

spot diseases were removed. In total approximately 50% of the 4050 plants in the nursery were removed. Prior to flowering in the summer of 1998 22 of the families were mowed down. The remaining 23 families were allowed to interpollinate. After seed ripening the families were harvested and cleaned separately. A bulk consisting of equal parts of each of the 23 families was then made. This seed is the stock seed of the variety. A portion of this seed is maintained under controlled conditions by ~~Cebeco~~ DLF International Seeds and will be used to establish breeder seed fields as necessary. (5/24/2005 BT)

Turf plots grown from stock seed and breeder seed generations of Bingo near Tangent, Oregon have shown equivalent turf quality. Therefore it is believed that Bingo is an adequately stable variety.

In a breeder generation field a small (less than 0.5% of the total) number of plants taller than the bulk of the population were observed.

200100145
Exhibit A

Statement of Uniformity and Stability

The variety Bingo has been observed for two generations of multiplication beyond breeder seed (foundation and certified generations) and has appeared uniform and stable. Bingo has a small (<0.5%) percentage of plants that are somewhat taller and than the rest of the population. The percentage of these plants appears to be stable when seed is multiplied from breeder to foundation generation and from foundation to certified generation.

EXHIBIT B

Statement of Distinctness

Bingo tall fescue (Festuca arundinacea) is a medium late, dark green variety.

Bingo tall fescue is most similar to Mini Mustang. Bingo differs from this variety in characteristics including, but not necessarily limited to the following:

1. Bingo has significantly darker green color than Mini Mustang (7.7 to 7.3 vs. 6.3 to 5.6 on a 1-9 rating scale; 9=very dark green). See Table 1.

EXHIBIT B

Table 1.
Color Ratings of Tall Fescues Grown as Turf Near Tangent, Oregon
(1-9 Rating Scale; 9=Very Dark Green)

NAME	1999	2000
Bingo	**7.7**	**7.3**
H6	7	6.9
Mini Mustang	6.3	5.6
Shortstop II	6	5
Pride	5.3	5.4
Pixie	5.3	5.2
Crossfire II	4.7	4.6
Houndog 5	4.7	4.8
Tarheel	4.3	5.4
Era	3.3	4.6
KY 31	2	3.1
LSD@0.05	0.9	0.5

FORM APPROVED: OMB NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, MEAT, GRAIN AND SEED DIVISION
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Tall & Meadow Fescues)

OBJECTIVE DESCRIPTION OF VARIETY

TALL & MEADOW FESCUES

(Festuca spp.)

NAME OF APPLICANT(S)	TEMPORARY DESIGNATION	VARIETY NAME
~~Cebeco~~ DLF International Seeds, Inc. and Rutgers, The State University of New Jersey (BT: 5/24/2005)	ISI-TF 23	Bingo

ADDRESS (Street and No., R.F.D. No., City, State, and Zip Code)
PO Box 229, Halsey, OR 97333

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PVPO NUMBER 200100145

Place the appropriate number that describes the varietal character of this variety in the boxes below. Use leading zeroes when necessary (e.g., [0][8][9] or [0][9]). Characteristics described, including numerical measurements, should represent those that are typical for the variety. Measured data should be for SPACED PLANTS. Royal Horticultural Society or any recognized color fan may be used to determine plant colors; designate system used: See exhibit C-1. Describe location of test area, conditions and number of plants used See exhibit C-1.

1. SPECIES: (With comparison varieties for use below — use varieties within species of application variety)

[1]

1 = *F. arundinacea* (Tall): 11 = Alta; 12 = Fawn; 13 = Goar; 14 = Kentucky-31; 15 = Festal; 16 = S.170; 17 = Rebel; 18 = Manade; 19 = Kenhy; 20 = Missouri 96

2 = *F. pratensis* (Meadow): 21 = Ensign; 22 = Trader; 23 = Beaumont; 24 = Admira; 25 = Comtessa

2. CYTOLOGY:

[4][2] Chromosome Number

3. ADAPTATION: (0 = Not Tested; 1 = Not Adapted; 2 = Adapted)

[0] Transition Zone [2] West [ ] Other *(Specify)*

4. MATURITY: (Date First Headed, panicle emergence) Location(s) of Trial(s) Tangent and Harrisburg, Oregon

[4] Maturity Class:

1 = Very early ( ); 2 = Early (Alta, Fawn, S.170); 3 = Medium early (K31, Falcon); 4 = Medium late (Barundi, Rebel, Ensign, Kenhy); 5 = Late ( )

Date Headed May 14

[0][2] Days earlier than Bonanza

Maturity same as Mini Mustang

[0][3] Days later than Rebel Jr.

Comparison Variety

5. PLANT HEIGHT (Average of 10 tallest culms):

[1][0][8][5] mm Height (at maturity to top of panicle)

[0][7][7] mm Shorter than Rebel. II

Mature Height same as Silverado

[0][9][6] mm Taller than Bonsai

Comparison Variety

[0][3][1][0] mm Height (at ear emergence)

[0][7][6] mm Shorter than Bonanza

Emergence height same as Mini Mustang

[0][5][9] mm Taller than Bonsai

Comparison Variety

200100145

5. PLANT HEIGHT: (Continued)

2 3 9	mm Internode length (spring) (first Internode)	
2 3	mm Shorter than	1 4
	Internode same as Bonsai	
0 9	mm Longer than Silverado	Comparison Variety
2 1 3	mm Width of plant (at ear emergence)	

6. GROWTH HABIT (Mature):

2 — 1 = Erect, foliage stiff-upright (Kentucky 31) 2 = Semi-erect (Beaumont, Rebel) 3 = Lax (Aberystwyth S.53)

7. RHIZOMES (Pseudo):

[ ] mm Length — 1 — 1 = Absent 2 = Rare (Rebel) 3 = Common

8. LEAF BLADE:

4 — Color: 1 = Light Green (Roa) 2 = Medium Light Green (Beaumont, Kentucky 31) 3 = Medium Dark Green (Rebel) 4 = Dark Green ( )

1 — Anthocyanin: 1 = Absent 2 = Present — 1 — Hairs (Basal) 1 = Absent 2 = Present

2 — Margins: 1 = Smooth 2 = Semi-rough 3 = Rough

1 — Width Class: 1 = Fine ( ) 2 = Medium Fine (Rebel, Monaco) 3 = Medium Coarse (K-31, Barundi) 4 = Coarse (Kenhy) 5 = Very Coarse (Hazel)

1 3 2	mm Length (Flag Leaf)	
3 9	mm Shorter than	1 4
	Blade length same as Mini Mustang	
1 7	mm Longer than Bonsai	Comparison Variety
4 7 0	mm Width	
0 1 4	mm Narrower than Bonanza	
	Blade width same as Shortstop	Comparison Variety
0 0 9	mm Wider than Silverado	

9. LEAF SHEATH:

2 — Anthocyanin (seedling): 1 = Absent (Kentucky 31) 2 = Present (Kenhy, Forager)

1 — Auricle Hairiness: 1 = Absent 2 = Present

10. PANICLE (Mature Plant):

2 — Shape: 1 = Narrow-tapering 2 = Ovate 3 = Oblong 4 = Other *(Specify)* _____

2 — Type: 1 = Open 2 = Intermediate 3 = Compact (appressed)

1 — Orientation: 1 = Erect 2 = Nodding

1 — Branch Pubescence: 1 = Glabrous 2 = Pubescent

1 — Anther Color:

2 — Glume Color (At 50% Flowering): 1 = Yellowish Green 2 = Green 3 = Bluish Green 4 = Purplish 5 = Reddish 6 = Other *(Specify)* _____

200100145

10. PANICLE: (Continued)

2 0 5	mm Length (from base of panicle branch to the tip)		
5 6	mm Shorter than	1 4	Comparison Variety
	Panicle length same as Mini Mustang		
5 0	mm Longer than Bonsai		

11. PALEA:

2 HAIRS (On keels or margins): 1 = Absent 2 = Short (Missouri 96) 3 = Long ( )

12. LEMMA:

2 HAIRS: 1 = Absent (Kenhy) 2 = Several 3 = Many (Missouri 96)

5 4	mm Lemma Length (Mature)		
1 2	mm Shorter than Bonanza		Comparison Variety
	Lemma length same as Bonsai		
- -	mm Longer than N/A		
1 6 1	mm Lemma Width		
6 5	mm Narrower than Rebel Jr.		Comparison Variety
	Lemma width same as Silverado		
1 6	mm Wider than Bonsai		

2 AWNS: 1 = Absent (Beaumont) 2 = Present (Falcon, Barundi)

1 2	mm Awn Length		
0 4	mm Shorter than Silverado		Comparison Variety
	Awn length same as Mini Mustang		
- -	mm Longer than N/A		

13. SEED (With Lemma & Palea):

2 3 6 4	mg per 1000 seed		
0 2 3 2	mg per 1000 seed less than Rebel Jr.		Comparison Variety
	Seed weight same as Crewcut		
0 2 5 4	mg per 1000 seed more than Bonsai		

14. DISEASE, INSECT, AND NEMATODE REACTION (0 = Not Tested; 1 = Susceptible; 2 = Resistant)

0	Melting-out *Drechslera poae* (*Helminthosporium vagans*)	0	Blind Seed *Gloeotinia temulenta*
0	Leaf Spot *D. siccans*	0	S. Patch *Sclerotinia homoeocarpa*
0	Net Blotch *D. dictyoides*	0	Stripe Smut *Ustilago striiformis*
0	Brown Patch *Rhizoctonia solani*	0	O. Patch *Ophiobolus gramminis*
0	C. Leaf Spot *Cercospora fecticee*	0	T. Blight *Typhula incarnata*
0	Pink Snow Mold *Fusarium nivale*	0	Pythium Blight *Pythium spp.*
0	Silver Top *F. tricinctum, F. roseum*	0	Powdery Mildew *Erysiphe graminis*
0	Crown Rust *Puccinia coronata*	0	Nematode _____

14. DISEASE, INSECT, AND NEMATODE REACTION: (Continued)

☐ Insect _____

☐ Other _____

☐ Other _____

15.

[2] PHOTOPERIOD: 1 = Non-sensitive 2 = Sensitive

16.

[2] WINTER HARDINESS: 1 = Susceptible 2 = Resistant

17. GIVE VARIETY OR VARIETIES THAT MOST CLOSELY RESEMBLE THE APPLICATION VARIETY. For the following characteristics indic
Degree of Resemblance by placing in the column marked, D.R., one of the following numbers:

1 = Application variety is less than comparison variety 2 = Same as
3 = More than, better, greater, darker, more disease resistant, etc.

CHARACTER	VARIETY	D.R.	CHARACTER	VARIETY	D.R.
Leaf Width	Mini Mustang	2	Leaf Color	Mini Mustang	3
Panicle Color			Panicle Shape		
Seed Size	Mini Mustang	2	Cold Injury		
Winter Color			Heat		
Shade Tolerance			Disease*		
Drought Tolerance					

* *Specify each disease evaluated.*

18. ADDITIONAL DESCRIPTION: (Use additional sheets as required)

Describe all characteristics that cannot be adequately described in the form above in Exhibit D. Comparative varieties should be used as may be appropriate, such as for disease. Append all comparative trial and evaluation data, including measured characters, environmental, and disease tests

200100145
'Bingo'

EXHIBIT C-1

Description of Trials

Turf color data were obtained from plots grown on Woodburn silt loam soil near Tangent, Oregon. Each variety in the test was replicated three times. Cutting height was 1.25 inches and the plots were mowed weekly. Color was evaluated on a 1 to 9 scale with 9 being very dark green and 1 being completely yellow.

Morphological and heading data were collected from two trials in the spring and summer of 2000. One trial was grown near Tangent, Oregon on Woodburn silt loam, a poorly drained soil. The other trial was grown near Harrisburg, Oregon on Newberg fine silty loam, a well drained soil. Each of the trails consisted of three replications of each entry tested and each replication consisted of 20 spaced plants. Plants within a row were spaced 18 inches from each other and there was 3 feet between each row.

Seed used for measurements was harvested by hand stripping ripe seed from each plant in the two trials. Chaff and unfilled seed were removed by hand sifting seed trough coarse screens and blowing the seed in a seed blower.

200100145

EXHIBIT D

Table 2.

2000 Heading Dates of Tall Fescue Varieties Grown Near Tangent and Harrisburg, Oregon

NAME	Tangent	Harris-burg
KY 31	May 3	May 12
Rebel Jr.	May 7	May 17
Rebel II	May 8	May 16
Bingo	**May 9**	**May 19**
Mini Mustang	May 9	May 21
Crewcut	May 10	May 20
Bonanza	May11	May 23
H6	May 12	May 24
Silverado	May 12	May 24
Shortstop	May 13	May23
Bonsai	May 16	May 28

EXHIBIT D

Table 3.

Morphological measurements of tall fescue varieites grown as spaced plants near Tangent and Harrisburg, Oregon. Measurements were taken in the Spring and Summer of 2000.

	Mature Plant Height (cm)			Ht.@Ear Emergence (cm)			Panicle Lenght (cm)			First Internode Length (cm)			2nd nternode Length (cm)			Flag Leaf Length (cm)			Flag Leaf Width (cm)			Tiller Leaf Length (cm)			Tiller Leaf Width (cm)		
NAME	Tangent	Harris-burg	AVG	Tangent	Harris-burg	AVG	Tangent	Harris-burg	AVG	Tangent	Harris-burg	AVG	Tangent	Harris-burg	AVG	Tangent	Harris-burg	AVG	Tangent	Harris-burg	AVG	Tangent	Harris-burg	AVG	Tangent	Harris-burg	AVG
Bonsai	101.0	66.6	83.8	32.2	18.1	25.1	17.1	14.0	15.5	25.7	23.1	24.4	26.0	15.0	21.5	11.1	11.9	11.5	3.7	4.4	4.0	14.9	14.2	14.5	4.1	4.7	4.4
Silverado	107.4	72.2	89.8	40.2	26.7	33.4	20.7	16.0	18.3	24.2	21.4	22.8	30.2	16.6	23.4	13.9	11.7	12.8	3.6	4.0	3.8	17.8	13.7	15.7	4.5	5.4	5.0
Bingo	**108.5**	**78.3**	**93.4**	**35.6**	**26.4**	**31.0**	**22.4**	**18.7**	**20.5**	**23.1**	**24.8**	**23.9**	**27.8**	**21.4**	**24.6**	**13.1**	**13.4**	**13.2**	**4.2**	**5.3**	**4.7**	**16.0**	**15.1**	**15.6**	**5.1**	**5.9**	**5.5**
Mini Mustang	115.4	78.6	97.0	36.9	25.9	31.4	22.4	17.6	20.0	27.0	29.2	28.1	29.2	17.9	23.6	13.9	13.2	13.5	3.9	4.7	4.3	15.9	15.1	15.5	4.6	5.7	5.1
Crewcut	116.4	80.5	98.5	36.0	27.9	32.0	23.4	19.7	21.5	26.1	32.3	29.2	29.9	18.4	24.1	14.3	14.1	14.2	4.2	5.6	4.9	19.1	17.2	18.1	4.9	5.9	5.4
Shortstop	116.7	82.4	99.6	37.7	23.7	30.7	22.4	19.8	21.1	33.9	25.9	29.9	31.7	19.8	25.7	17.3	14.4	15.8	4.1	5.3	4.7	20.4	16.2	18.3	4.9	6.2	5.5
Rebel II	117.5	84.8	101.2	37.8	32.2	35.0	23.5	24.2	23.8	26.2	27.1	26.6	28.4	26.6	27.5	14.3	15.6	15.0	4.3	5.3	4.8	17.4	16.9	17.2	5.1	6.2	5.6
H6	121.1	85.5	103.3	37.6	26.7	32.2	24.0	20.2	22.1	27.0	27.5	27.2	31.8	19.1	25.4	13.2	17.7	15.4	3.8	6.4	5.1	18.4	17.6	18.0	4.8	6.2	5.5
Rebel Jr.	127.9	86.4	107.1	41.4	27.0	34.2	25.8	19.1	22.5	26.2	24.2	25.2	34.1	20.0	27.0	14.7	14.3	14.5	4.4	5.7	5.0	20.8	16.6	18.7	5.4	7.7	6.5
Bonanza	124.2	97.4	110.8	41.9	35.3	38.6	27.7	26.6	27.2	22.9	26.9	24.9	33.1	27.5	30.3	16.9	19.1	18.0	5.0	7.3	6.1	22.8	20.7	21.8	5.9	8.1	7.0
KY 31	141.9	97.3	119.6	43.4	35.6	39.5	28.5	23.7	26.1	26.5	26.0	26.2	33.7	24.1	28.9	17.3	16.9	17.1	5.0	6.2	5.6	23.8	20.5	22.2	6.3	7.6	6.9
LSD@0.05	7.8	3.6		4.0	3.8		2.9	3.5		6.3	6.4		3.2	3.5		2.5	2.4		0.8	0.9		3.2	2.8		0.8	1.2	

EXHIBIT D

Table 4.

Seed Measurements of Tall Fescue Varieties Grown Near Tangent and Harrisburg, Oregon

	Lemma Length (mm)			Lemma Width (mm)			Awn Length (mm)			1000 seed wt. (mg)		
NAME	Tangent	Harris-burg	AVG	Tangent	Harris-burg	AVG	Tangent	Harris-burg	AVG	Tangent	Harris-burg	AVG
Bingo	**6.13**	**4.6**	**5.37**	**1.57**	**1.65**	**1.61**	**1.19**	**1.15**	**1.17**	**2349**	**2379**	**2364.00**
Bonsai	6.23	5.15	5.69	1.3	1.6	1.45	1.49	1.45	1.47	2141	2080	2110.50
H6	6.33	5.3	5.82	1.4	1.35	1.375	1.27	1.7	1.49	2335	2279	2307.00
Shortstop	6.37	5.35	5.86	1.5	1.65	1.575	1.52	1.45	1.49	2429	2458	2443.50
Silverado	6	5.85	5.93	1.47	1.75	1.61	1.58	1.65	1.62	2236	2388	2312.00
Mini Mustang	6.43	5.7	6.07	1.43	1.6	1.515	1.34	1.35	1.35	2325	1902	2113.50
Bonanza	6.53	6.5	6.52	1.5	1.55	1.525	1.45	1.4	1.43	2613	2741	2677.00
Rebel Jr.	6.83	6.45	6.64	1.5	1.85	1.675	1.37	1.55	1.46	2543	2649	2596.00
Rebel II	6.5	6.95	6.73	1.53	1.95	1.74	1.47	1.35	1.41	2522	2524	2523.00
KY 31	7.17	6.35	6.76	1.7	1.65	1.675	1.36	1.65	1.51	2804	2833	2818.50
Crewcut	7	6.75	6.88	1.47	1.65	1.56	1.5	1.55	1.53	2389	2344	2366.50
LSD@0.05	0.45	0.7		0.24	0.45		0.28	0.36		171	267	

REPRODUCE LOCALLY. *Include form number and date on all reproductions.*

FORM APPROVED - OMB NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
DLF ~~Cebeco~~ International Seeds ~~Inc.~~ and Rutgers, The State University of New Jersey (BT:5/24/2005) 7a & 12/13/04	ISI-TF 23	Bingo
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)	5. TELEPHONE (include area code)	6. FAX (include area code)
PO Box 229/175 West 'H' Street Halsey, OR 97348 USA	541-369-2251	541-369-2640
	7. PVPO NUMBER	
	200100145	

8. Does the applicant own all rights to the variety? *Mark an "X" in appropriate block.* If no, please explain. [X] YES [ ] NO

9. Is the applicant *(individual or company)* a U.S. national or U.S. based company? [X] YES [ ] NO
If no, give name of country ______

10. Is the applicant the original owner? [X] YES [ ] NO *If no, please answer the following:*

a. If original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. national(s)?
[ ] YES [ ] NO *If no, give name of country* ______

b. If original rights to variety were owned by a company, is the original owner(s) a U.S. based company?
[ ] YES [ ] NO *If no, give name of country* ______

11. Additional explanation on ownership *(If needed, use reverse for extra space):*

Bingo was developed by DLF ~~Cebeco~~ (BT:5/24/2005) International Seeds, Inc. using germplasm obtained from the New Jersey Agricultural Experiment Station

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.

2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.

3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

STD-470-E (02-97) *(Destroy previous editions)*